Title (en)

METHOD OF IDENTIFYING NUCLEIC ACID-CONTAINING OBJECT

Title (de)

VERFAHREN ZUR IDENTIFIKATION NUKLEINSÄUREHALTIGER OBJEKTE

Title (fr)

PROCÉDÉ D'IDENTIFICATION D'UN OBJET CONTENANT DES ACIDES NUCLÉIQUES

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Application

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Abstract (en)

[origin: WO2012124968A2] The present invention relates to a method of identifying nucleic acid-containing object, more precisely a method of identifying nucleic acid-containing object which comprises the following steps: (1) preparing nucleic acid-containing object having the nucleotide sequence complementary to the nucleotide sequence of RNA-dual probe; (2) reacting the nucleic acid included in the object with the buffer containing the RNA-dual probe conjugated with a reporter and a quencher respectively and RNase; and (3) detecting fluorescence generated from the reporter. The method of identifying an object of the present invention provides labeling sensitivity 100 times as high as that of the conventional method using sequencing or labeling with fluorescent materials, takes advantages of shorter analysis time, facilitates different labeling on a variety of products according to fluorescent materials, and makes possible unlimited product administration by product group and batch in real production process by differentiating the nucleotide sequence of each oligonucleotide.

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